

ROBERT E. BUSHNELL\*†

**R. E. BUSHNELL**

INTELLECTUAL PROPERTY LAW

ATTORNEY AT LAW

TELEPHONE (202) 408-9040

1522 K STREET, N.W., SUITE 300

FACSIMILE (202) 289-7100

WASHINGTON, D.C. 20005-1202

FACSIMILE (202) 628-3835

UNITED STATES OF AMERICA

FACSIMILE (410) 747-0022

2 April 2004

E-MAIL: REBUSHNELL@AOL.COM

JOSEPH G. SEEBER\*

MATTHEW J. LESTINA†\*

SARADVINDER S. SAHOTA†\*

JONG H. PARK†

FRANK J. DYNDAA\*

OF COUNSEL

RICHARD H. STERN\*

HENRY M. ZYKORIE

MICHAEL D. PARKER

(REG. PATENT AGENT)

† ADMITTED IN MARYLAND

\* ADMITTED IN VIRGINIA

† ADMITTED IN NEW YORK

\* ADMITTED IN CONNECTICUT

\* ADMITTED IN NEW JERSEY

\* NOT ADMITTED IN D.C.

Commissioner for Patents

Washington, D.C. 20231

- ☐ U.S. Postal Service  
☐ Via Local Courier  
☐ Via International Courier  
☐ Via Facsimile No. \_\_\_\_\_  
☐ Via E-Mail Attachment  
☐ Please Acknowledge Receipt

Attorney Docket: P57062

Sir:

Submitted herewith is the following (☐ divisional ☒ continuation ☐ continuation-in-part) patent application of prior application Serial No. 09/789,822 filed in the U.S. Patent & Trademark Office on 22 February 2001.

**Inventor: CHANG-HYEON LEE**

**Title: APPARATUS AND METHOD FOR DETECTING AN ABNORMALITY IN A RECORDED SIGNAL**

Please find attached hereto an application for patent which includes: specification and abstract, claims, original declaration and power of attorney, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 10 sheets, Figures 1 through 15

Claim of priority under 35 U.S.C. §119: N/A

**FEE (see formula below): CHECK ENCLOSED (#45463)**

Basic Fee \$385/770 ..... \$770.00

**Additional Fees:**

Total number of claims in excess of 20: \_\_\_\_ times \$9/18 . \$0.00

Number of independent claims in excess of 3: 3 times \$43/86 ..... \$258.00

Multiple Dependent Claims \$145/290 ..... \$0.00

An Assignment is likewise enclosed: Recording Fee \$40 .. \$0.00

Filing Non-English specification ..... \$0.00

**TOTAL FEES FOR THE ABOVE APPLICATION ..... \$1,028.00**

22858 U.S. PTO  
10/815665  
040204

13281 U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

Patent fees are subject to annual revision.

## Complete If Known

Application Number	to be assigned
Filing Date	2 April 2004
First Named Inventor	Chang-Hyeong LEE
Examiner Name	to be assigned
Group/Art Unit	to be assigned

TOTAL AMOUNT OF PAYMENT (\$)**1,028.00**

Attorney Docket No. P57062

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: **02-4943**  
 Deposit Account Number: \_\_\_\_\_

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

## 2. Payment Enclosed: (CHECK #45463)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	\$770.00
1002	340	2002	170	Design filing fee	\$
1003	530	2003	265	Plant filing fee	\$
1004	770	2004	385	Reissue filing fee	\$
1005	160	2005	80	Provisional filing fee	\$

**SUBTOTAL (1) (\$)** 770.00

### 2. EXTRA CLAIM FEES

			Extra Claims	Fee from below	Fee Paid
Total claims	12	-20** =	x	18.00	= .00
Independent Claims	6	-3** =	21	x	86.00 = 258.00

Multiple Dependent

=

\*\* or number previously paid, if greater; For Reissues, see below

### Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1201	86	2201	43	Independent claims in excess of 3
1202	18	2202	9	Claims in excess of 20
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)** 258  
228.00

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES


Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge-late filing fee or oath	\$
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	\$
1053	130	1053	130	Non-English specification	\$
1812	2,520	1812	2,520	For filing a request for reexamination	\$
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$
1805	1,840 *	1805	1,840*	Requesting publication of SIR after Examiner action	\$
1251	110	2251	55	Extension for reply within first month	\$
1252	420	2252	210	Extension for reply within second month	\$
1253	950	2253	475	Extension for reply within third month	\$
1254	1,480	2254	740	Extension for reply within fourth month	\$
1255	2,010	2255	1,005	Extension for reply within fifth month	\$
1401	330	2401	165	Notice of Appeal	\$
1402	330	2402	165	Filing a brief in support of an appeal	\$
1403	290	2403	145	Request for oral hearing	\$
1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$
1452	110	2452	55	Petition to revive - unavoidable	\$
1453	1,330	2453	665	Petition to revive - unintentional	\$
1501	1,330	2501	665	Utility issue fee (or reissue)	\$
1502	480	2502	240	Design issue fee	\$
1503	640	2503	320	Plant issue fee	\$
1460	130	1460	130	Petitions to the Commissioner	\$
1807	50	1807	50	Processing fee for provisional applications	\$
1806	180	1806	180	Submission of Information Disclosure Statement	\$
8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	\$
1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
1810	770	2810	385	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$
Other Fee (specify) _____					\$
Other Fee (specify) _____					\$

\*\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$** 0.00

## SUBMITTED BY

## Complete (if applicable)

Typed or Printed Name	Robert E. Bushnell, Esq.			Reg. Number	27,774
Signature		Date	2 April 2004	Deposit Account User ID	

REB/kf

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Commissioner for Patents  
2 April 2004  
Page Two

Docket No.: P57062

**Inventor:**      **CHANG-HYEON LEE**

**Title:**            **APPARATUS AND METHOD FOR DETECTING AN  
ABNORMALITY IN A RECORDED SIGNAL**


The Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell  
(Registration No. 27,774)  
Payor No.: 008-439  
Attorney for the Applicant  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005

Telephone: (202) 408-9040  
Telefacsimile: (202) 289-7101

REB/kf

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

CHANG-HYEON LEE

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 2 April 2004

Art Unit: *to be assigned*

For: APPARATUS AND METHOD FOR DETECTING AN ABNORMALITY IN A  
RECORDED SIGNAL


TRANSMITTAL OF DECLARATION

Commissioner for Patents  
Washington, D.C. 20231  
**BOX: PATENT APPLICATION**

Sir:

This transmittal accompanies a copy of the original Declaration filed in the parent application of the above-captioned **continuation** application, Serial No. 09/789822 filed in the U.S. Patent & Trademark Office on the 22 February 2001.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.  
Washington, D.C. 20005  
(202) 408-9040

Folio: P57062  
Date: 04/02/4  
I.D.: REB/kf

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

CHANG-HYEON LEE

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 2 April 2004

Art Unit: *to be assigned*

For: APPARATUS AND METHOD FOR DETECTING AN ABNORMALITY IN A  
RECORDED SIGNAL

**TRANSMITTAL OF SUBSTITUTE FORMAL FIGURE(S)**

**Mail Stop Issue Fee**

Commissioner for Patents


P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

This transmittal accompanies Substitute Formal Figures 1 through 15 (10 replacement sheets)  
for the above-captioned continuation application, which are in compliance with 37 C.F.R. §1.84.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

1522 "K" Street, N.W., Suite 300  
Washington, D.C. 20005  
(202) 408-9040

Folio: P57062  
Date: 4/2/04  
I.D.: REB/kl